AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) A method for operating a multi-mode mobile station comprising at least ~~two~~ first and second antennas, each of the first and second antennas having resonance frequencies, wherein at least two modes of the multi-mode mobile station operate within at least one common range of frequencies, the method comprising:

transmitting a signal from ~~a~~ the first antenna ~~circuit~~ of the mobile station in the common range of frequencies; and

~~electronically detuning~~ changing the resonance frequency of ~~a~~ the second antenna of the mobile station ~~such that the resonance of the second antenna is mis-matched to the first antenna~~ so as to reduce coupling of the transmitted signal from the first antenna into the second antenna, wherein the step of ~~detuning~~ changing comprises varying an impedance of at least one component that forms a part of the second antenna ~~circuit~~.

2. (Original) A method as in claim 1, wherein the common range of frequencies comprises 1900 MHz.

3. (Original) A method as in claim 1, wherein the common range of frequencies comprises 850 MHz.

4. (Canceled)

5. (Previously presented) A method as in claim 1, wherein the at least one component is comprised of a stripline.

6. (Previously presented) A method as in claim 1, wherein the at least one component is comprised of a PIN diode.

7. (Previously presented) A method as in claim 1, wherein the at least one component is comprised of a variable capacitance.

8. (Previously presented) A method as in claim 1, wherein the at least one component is comprised of a FET diode.

9. (Original) A method as in claim 3, wherein the at least one component is comprised of an active component that is put into a passive state.

10. (Currently amended) A method as in claim 1, wherein the step of ~~detuning~~ changing comprises operating at least one switch for adding a length of strip line to, or for subtracting a length of strip line from, the second antenna ~~circuit~~.

11. (Currently amended) A method as in claim 1, wherein the step of ~~detuning~~ changing comprises operating at least one switch for connecting a length of strip line to ground, or for disconnecting a length of strip line from ground.

12. (Currently amended) A multi-mode mobile station ~~comprising at least two antennas,~~ wherein at least two modes operate within at least one common range of frequencies, the multi-mode mobile station comprising:

at least first and second antennas, the first and second antennas having resonance frequencies;

~~for each mode,~~ a first mode transmitter circuit ~~comprising an~~ coupled to the first antenna, ~~circuit that operates~~ the first mode transmitter circuit configured to operate in the at least one common range of frequencies; ~~and~~

a second mode transmitter circuit coupled to the second antenna, the second mode transmitter circuit configured to operate in the at least one common range of frequencies; and

a controller~~, responsive to a first one of said transmitter circuits transmitting, for electronically detuning~~ configured to change the resonance frequency of a the second antenna of the multi-mode mobile station ~~such that the resonance of the second antenna is mis-matched to the first antenna~~ when the first antenna is transmitting in the at least one common range of frequencies so as to reduce coupling of the transmitted signal from the first antenna into the second antenna, wherein the controller, when ~~detuning~~ changing the resonance frequency of the second antenna, varies an impedance of at least one component that forms a part of the second antenna ~~circuit~~.

13. (Original) A multi-mode mobile station as in claim 12, wherein the common range of frequencies comprises 1900 MHz.

14. (Original) A multi-mode mobile station as in claim 12, wherein the common range of frequencies comprises 850 MHz.

15. (Canceled)

16. (Previously presented) A multi-mode mobile station as in claim 12, wherein the at least one component is comprised of a stripline.

17. (Previously presented) A multi-mode mobile station as in claim 12, wherein the at least one component is comprised of a PIN diode.

18. (Previously presented) A multi-mode mobile station as in claim 12, wherein the at least one component is comprised of a variable capacitance.

19. (Previously presented) A multi-mode mobile station as in claim 12, wherein the at least one component is comprised of a FET diode.

20. (Previously presented) A multi-mode mobile station as in claim 12, wherein the at least one component is comprised of an active component that is put into a passive state.

21. (Currently amended) A multi-mode mobile station as in claim 12, wherein the controller, when ~~detuning~~ changing the resonance frequency of the second antenna, operates at least one switch for adding a length of strip line to, or for subtracting a length of strip line from, the second antenna ~~circuit~~.

22. (Currently amended) A multi-mode mobile station as in claim 12, wherein the controller, when ~~detuning~~ changing the resonance frequency of the second antenna, operates at least one switch for connecting a length of strip line to ground, or for disconnecting a length of strip line from ground.

23. (New) A multi-mode mobile station as in claim 12, wherein the controller is further configured to change the resonance frequency of the first antenna of the multi-mode mobile station when the second antenna is transmitting in the at least one common range of frequencies so as to reduce coupling of the transmitted signal from the second antenna into the first antenna, wherein the controller, when changing the resonance frequency of the first antenna, varies an impedance of at least one component that forms a part of the first antenna.